User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/13/2001 Time: 09:34:57

Sample: AD24489
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/13/01 09:34 Ended: 11/13/01 09:34 Analyst: MG
Page: 1

| | Component Name | Viol | Result |
|---|---|---|---|
| 1 | Other unknown compounds | | see comment |

**Comments for Sample AD24489 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 11-13-2001 Time: 09:40:28

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0501\24489.D Vial: 12
Acq On : 5 Nov 2001 10:42 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 23:31 2001 Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.71 | 152 | 714770 | 20.00 ug/l | -0.01 |
| 19) Naphthalene-d8 | 15.32 | 136 | 2738304 | 20.00 ug/l | -0.01 |
| 31) Acenaphthene-d10 | 20.60 | 164 | 1383634 | 20.00 ug/l | -0.01 |
| 49) Phenanthrene-d10 | 25.02 | 188 | 2121321 | 20.00 ug/l | -0.01 |
| 59) Chrysene-d12 | 33.07 | 240 | 1473031 | 20.00 ug/l | 0.00 |
| 68) Perylene-d12 | 37.16 | 264 | 1040953 | 20.00 ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 4) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | |
| 6) 2-Chlorophenol-d4 | 11.70 | 132 | 175 | 0.00 ug/l | 0.47 |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | |
| 7) 1,2-Dichlorobenzene-d4 | 12.24 | 152 | 8203 | 0.25 ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = | 0.50% | |
| 20) Nitrobenzene-d5 | 0.00 | 82 | 0 | 0.00 ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | |
| 32) 2-Fluorobiphenyl | 18.74 | 172 | 2850 | 0.03 ug/l | 0.13 |
| Spiked Amount 50.000 | | | Recovery = | 0.06% | |
| 33) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | |
| 62) Terphenyl-d14 | 0.00 | 244 | 0 | 0.00 ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | |
| **Target Compounds** | | | | | Qvalue |
| 2) Pyridine | 0.00 | 79 | 0 | N.D. | |
| 3) N-nitroso-dimethyl amine | 0.00 | 74 | 0 | N.D. | |
| 8) Phenol | 0.00 | 94 | 0 | N.D. | |
| 9) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | |
| 10) 2-Chlorophenol | 0.00 | 128 | 0 | N.D. | |
| 11) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | |
| 12) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | |
| 13) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | |
| 14) 2-Methylphenol | 0.00 | 108 | 0 | N.D. | |
| 15) 2,2'-oxybis(1-Chloropropan | 0.00 | 45 | 0 | N.D. | |
| 16) 3&4-Methylphenol | 0.00 | 108 | 0 | N.D. | |
| 17) N-Nitroso-di-n-propylamine | 0.00 | 70 | 0 | N.D. | |
| 18) Hexachloroethane | 0.00 | 117 | 0 | N.D. | |
| 21) Nitrobenzene | 0.00 | 77 | 0 | N.D. | |
| 22) Isophorone | 0.00 | 82 | 0 | N.D. | |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0501\24489.D Vial: 12
Acq On : 5 Nov 2001 10:42 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 23:31 2001 Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 23) | 2-Nitrophenol | 0.00 | 139 | 0 | N.D. | |
| 24) | 2,4-Dimethylphenol | 0.00 | 107 | 0 | N.D. | |
| 25) | bis(2-Chloroethoxy)methane | 0.00 | 93 | 0 | N.D. | |
| 26) | 2,4-Dichlorophenol | 0.00 | 162 | 0 | N.D. | |
| 27) | 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | |
| 28) | Naphthalene | 0.00 | 128 | 0 | N.D. | |
| 29) | Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | |
| 30) | 4-Chloro-3-methylphenol | 0.00 | 107 | 0 | N.D. | |
| 34) | Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | |
| 35) | 2,4,6-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 36) | 2,4,5-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 37) | 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | |
| 38) | Dimethylphthalate | 0.00 | 163 | 0 | N.D. | |
| 39) | 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | |
| 40) | Acenaphthylene | 0.00 | 152 | 0 | N.D. | |
| 41) | Acenaphthene | 0.00 | 153 | 0 | N.D. | |
| 42) | 2,4-Dinitrophenol | 0.00 | 184 | 0 | N.D. | |
| 43) | 4-Nitrophenol | 0.00 | 65 | 0 | N.D. | |
| 44) | 2,4-Dinitrotoluene | 20.92 | 165 | 487 | N.D. | |
| 45) | Diethylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | |
| 47) | Fluorene | 0.00 | 166 | 0 | N.D. | |
| 48) | Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | |
| 50) | 4,6-Dinitro-2-methylphenol | 0.00 | 198 | 0 | N.D. | |
| 51) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 52) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 53) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 54) | Pentachlorophenol | 0.00 | 266 | 0 | N.D. | |
| 55) | Phenanthrene | 25.02 | 178 | 725 | N.D. | |
| 56) | Anthracene | 25.02 | 178 | 725 | N.D. | |
| 57) | Di-n-butylphthalate | 27.03 | 149 | 2646 | N.D. | |
| 58) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 60) | 3,3'-Dichlorobenzidine | 0.00 | 252 | 0 | N.D. | |
| 61) | Benzidine | 0.00 | 184 | 0 | N.D. | |
| 63) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 64) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 65) | Benzo(a)anthracene | 33.07 | 228 | 3682 | N.D. | |
| 66) | Bis(2-ethylhexyl)phthalate | 33.33 | 149 | 5979 | N.D. | |
| 67) | Chrysene | 33.07 | 228 | 3682 | N.D. | |
| 69) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 70) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0501\24489.D Vial: 12
Acq On : 5 Nov 2001 10:42 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 23:31 2001 Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 71) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 72) | Benzo(a)pyrene | 37.17 | 252 | 3896 | N.D. | |
| 73) | Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 74) | Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 75) | Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

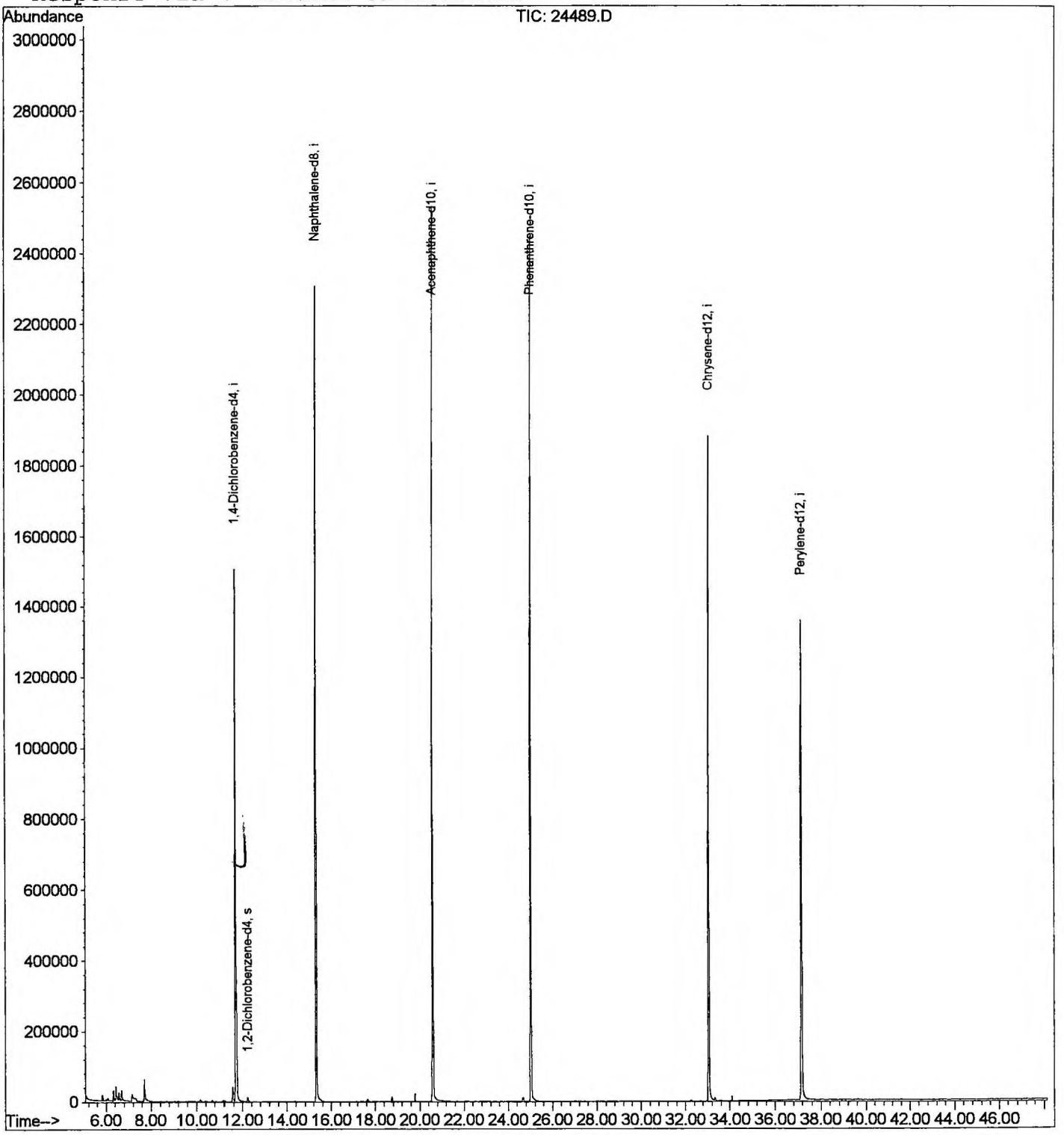
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24489.D
Acq On : 5 Nov 2001 10:42 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 5 23:31 2001

Vial: 12
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP103001.RES

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24489.D  Vial: 12
Acq On : 5 Nov 2001 10:42 pm  Operator: 209 GALOS
Sample : gc/ms unknown  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Smoothing : OFF  Filtering: 5
Sampling : 1  Min Area: 1 % of largest Peak
Start Thrs: 0.2  Max Peaks: 100
Stop Thrs : 0  Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

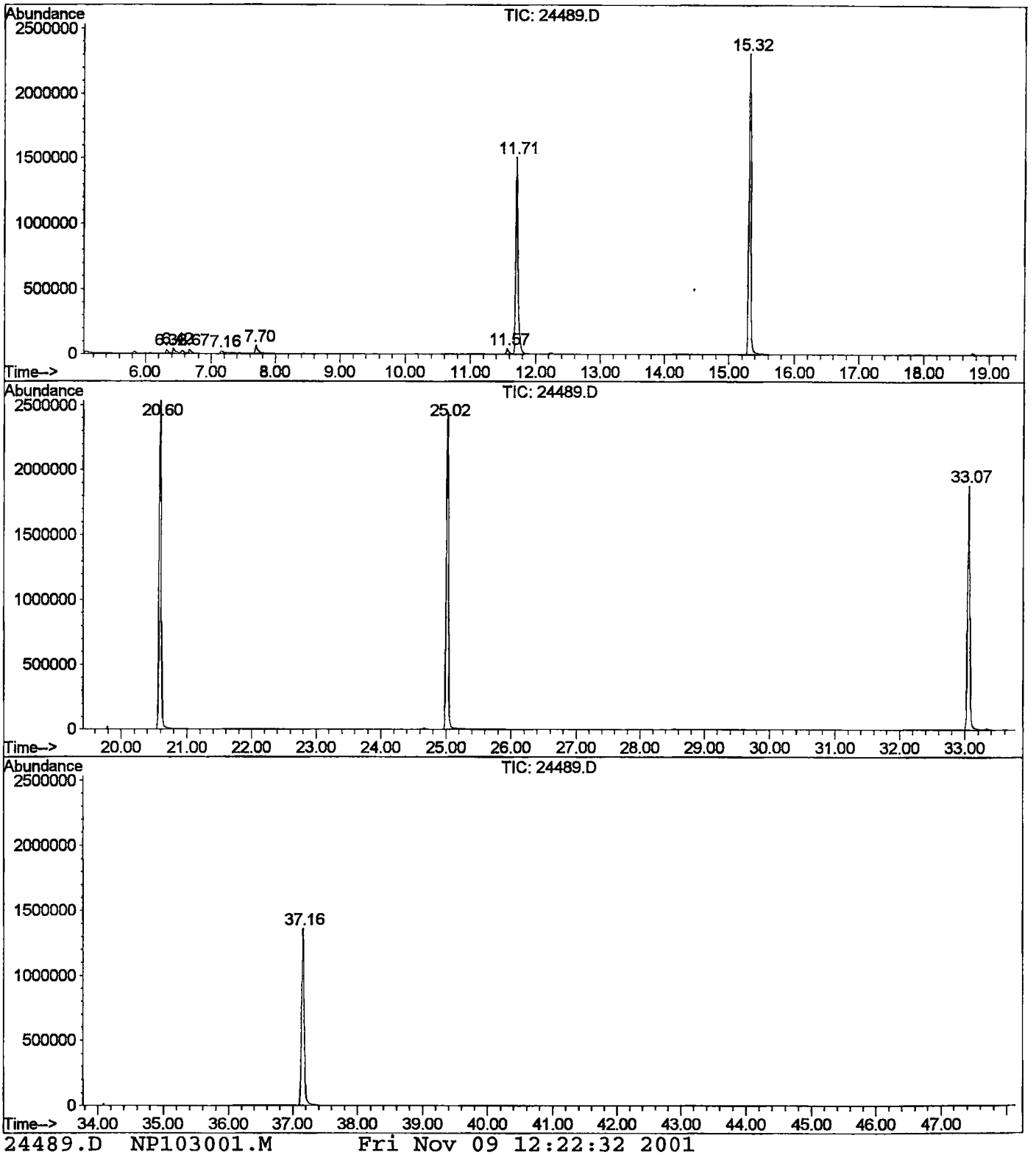
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.324 | 135 | 139 | 144 | rBV | 29130 | 54783 | 1.00% | 0.193% |
| 2 | 6.425 | 147 | 150 | 161 | rVV | 40632 | 111952 | 2.05% | 0.394% |
| 3 | 6.672 | 174 | 177 | 190 | rVB | 28303 | 67213 | 1.23% | 0.237% |
| 4 | 7.159 | 224 | 230 | 236 | rBV | 18434 | 58642 | 1.07% | 0.206% |
| 5 | 7.701 | 285 | 289 | 305 | rBV | 62047 | 160507 | 2.93% | 0.565% |
| 6 | 11.575 | 706 | 711 | 720 | rBV | 42201 | 99232 | 1.81% | 0.349% |
| 7 | 11.712 | 720 | 726 | 742 | rBV | 1505332 | 3672989 | 67.16% | 12.931% |
| 8 | 15.320 | 1113 | 1119 | 1137 | rBV | 2305580 | 4982957 | 91.11% | 17.543% |
| 9 | 20.599 | 1687 | 1694 | 1717 | rBV | 2531482 | 5469329 | 100.00% | 19.256% |
| 10 | 25.024 | 2169 | 2176 | 2189 | rBV2 | 2443916 | 5336823 | 97.58% | 18.789% |
| 11 | 33.066 | 3044 | 3052 | 3071 | rBV2 | 1879875 | 4612294 | 84.33% | 16.238% |
| 12 | 37.160 | 3490 | 3498 | 3519 | rBV2 | 1355021 | 3776831 | 69.05% | 13.297% |

Sum of corrected areas: 28403552

24489.D NP103001.M Fri Nov 09 12:22:30 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV0501\24489.D
Operator : 209 GALOS
Acquired : 5 Nov 2001 10:42 pm using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 12
Quant File :NP103001.RES (RTE Integrator)




24489.D NP103001.M Fri Nov 09 12:22:32 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24489.D
Acq On : 5 Nov 2001 10:42 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 12
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

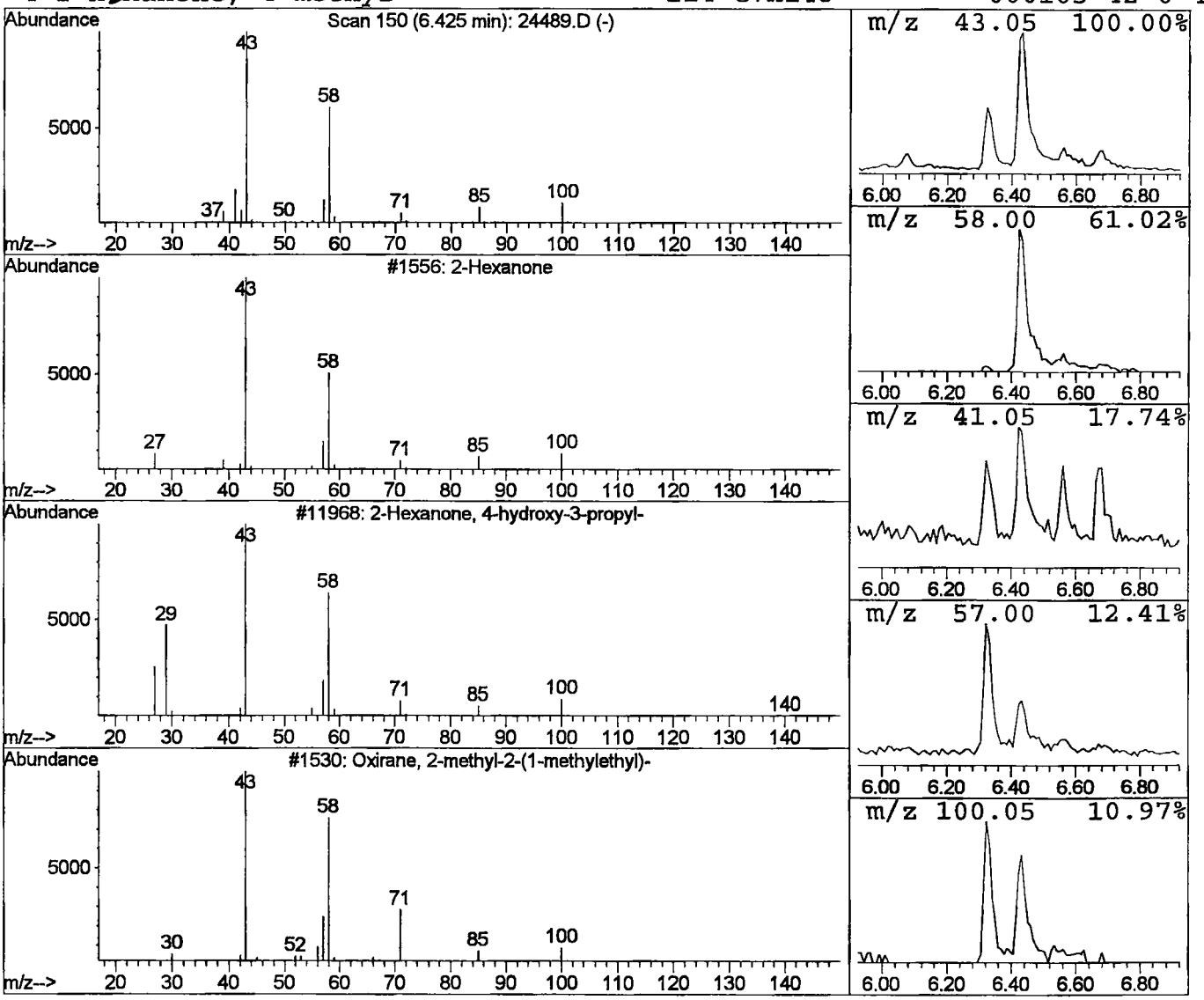
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 2-Hexanone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.42 | 0.61 ug/l | 111952 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 87 |
| 2 | 2-Hexanone, 4-hydroxy-3-propyl- | 158 | C9H18O2 | 062338-17-4 | 78 |
| 3 | Oxirane, 2-methyl-2-(1-methylethyl) | 100 | C6H12O | 072221-03-5 | 59 |
| 4 | 2-Hexanone, 4-methyl- | 114 | C7H14O | 000105-42-0 | 45 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24489.D
Acq On : 5 Nov 2001 10:42 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 12
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

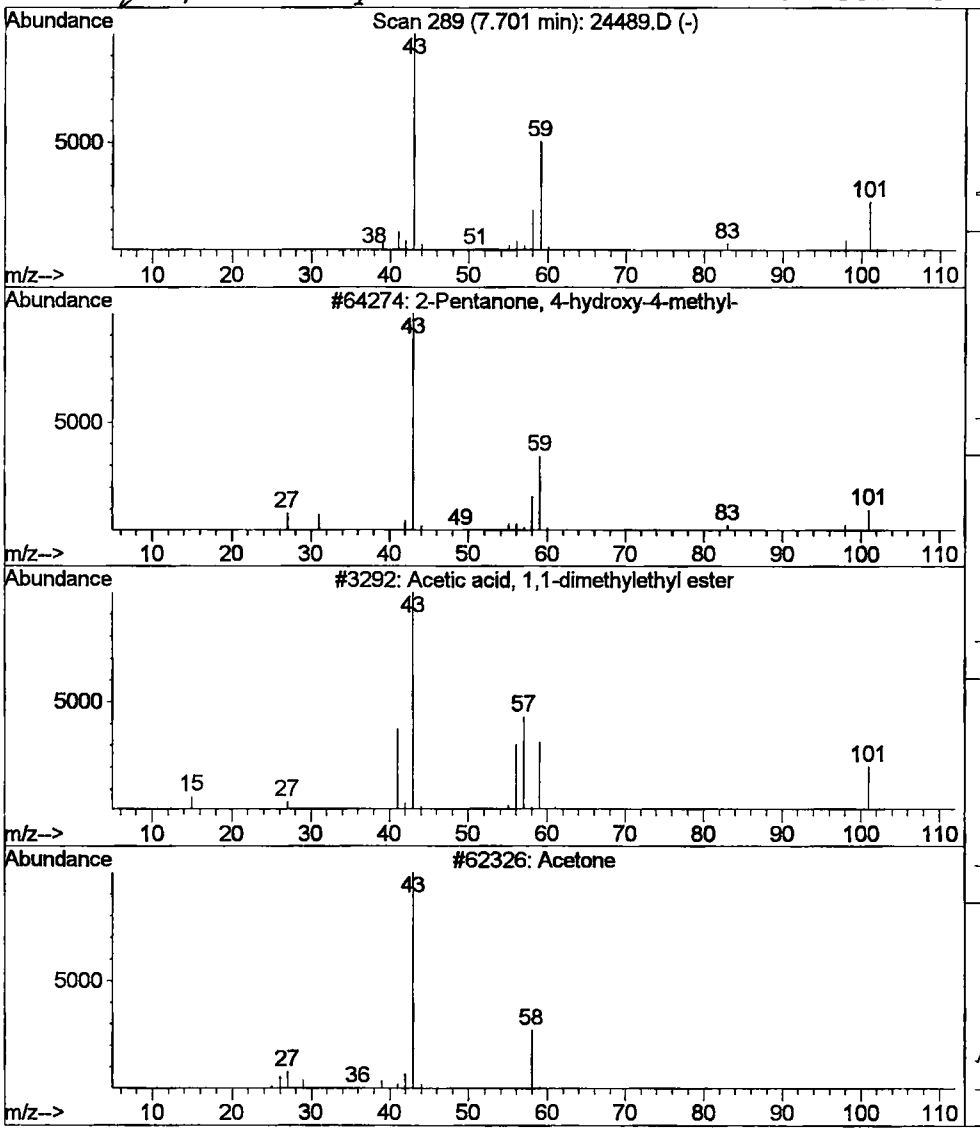
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

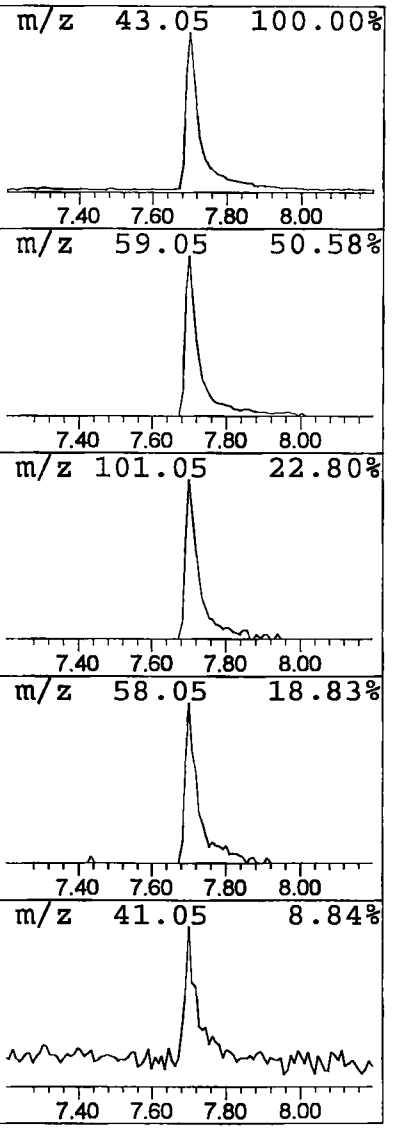
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.70 | 0.87 ug/l | 160507 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, 1,1-dimethylethyl este | 116 | C6H12O2 | 000540-88-5 | 33 |
| 3 | Acetone | 58 | C3H6O | 000067-64-1 | 10 |
| 4 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24489.D
Acq On : 5 Nov 2001 10:42 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 12
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

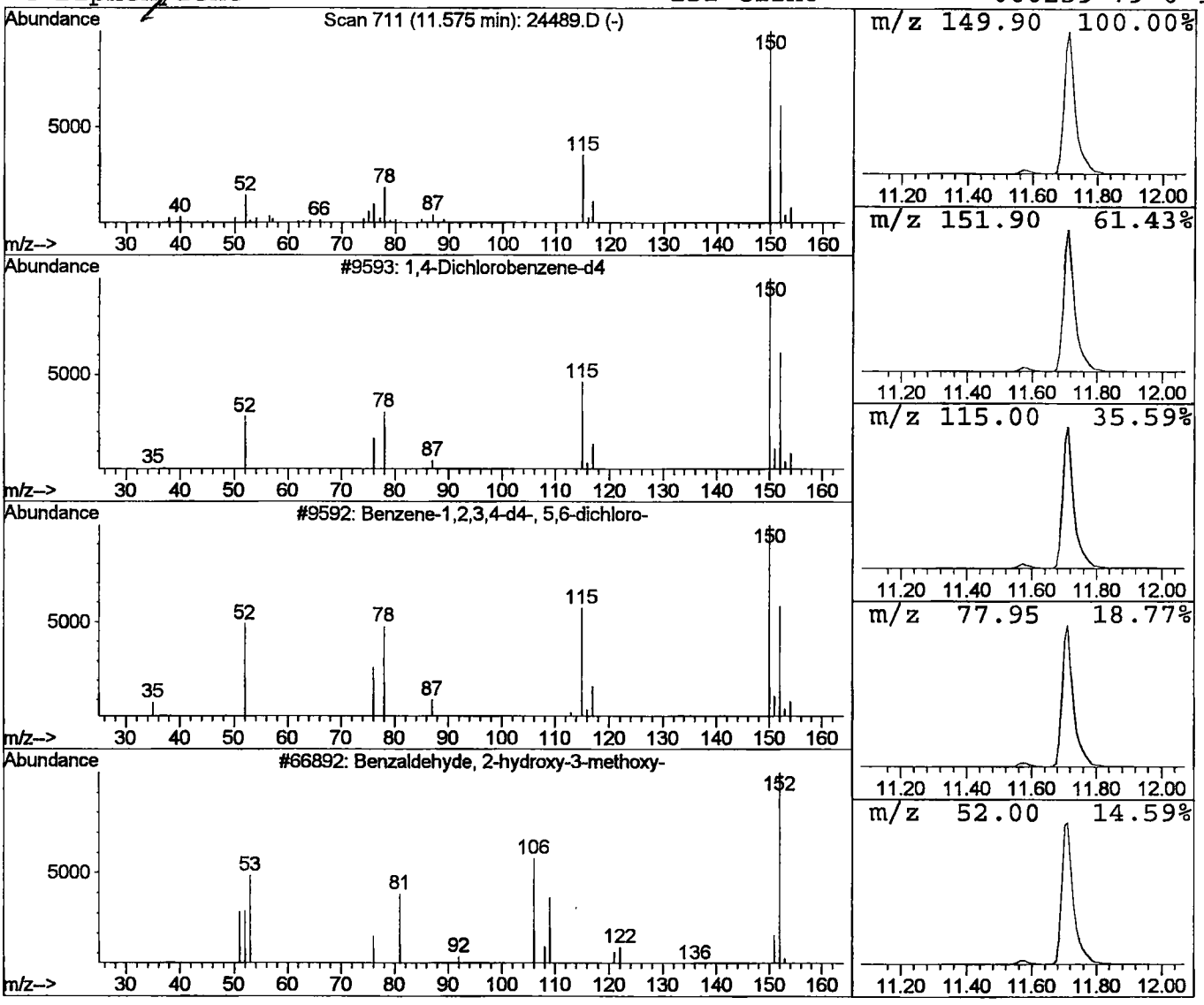
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 1,4-Dichlorobenzene-d4 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.57 | 0.54 ug/l | 99232 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 150 | C6Cl2D4 | 003855-82-1 | 53 |
| 2 | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4 | 002199-69-1 | 12 |
| 3 | Benzaldehyde, 2-hydroxy-3-methoxy- | 152 | C8H8O3 | 000148-53-8 | 10 |
| 4 | Biphenylene | 152 | C12H8 | 000259-79-0 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 5 Nov 2001 10:42 pm
Data File: C:\HPCHEM\1\DATA\NOV0501\24489.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name | RT | EstConc | Units | Area | IntStd | ISRT | ISArea | ISConc |
|---|---|---|---|---|---|---|---|---|
| 2-Hexanone | 6.42 | 0.6 | ug/l | 111952 | ISTD01 | 11.71 | 3672990 | 20.0 |
| 2-Pentanone, 4-hydro | 7.70 | 0.9 | ug/l | 160507 | ISTD01 | 11.71 | 3672990 | 20.0 |
| 1,4-Dichlorobenzene- | 11.57 | 0.5 | ug/l | 99232 | ISTD01 | 11.71 | 3672990 | 20.0 |

24489.D NP103001.M Fri Nov 09 12:22:40 2001